

# Number frame number bonds



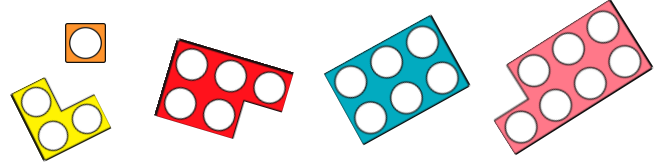
The total is 10. The second number is 4 more than the first number. Complete the number bonds below.

$$\begin{array}{r} \underline{\quad} + \underline{7} = \underline{10} \\ \underline{\quad} + \underline{\quad} = \underline{10} \\ \underline{10} - \underline{\quad} = \underline{\quad} \\ \underline{10} - \underline{\quad} = \underline{\quad} \end{array}$$

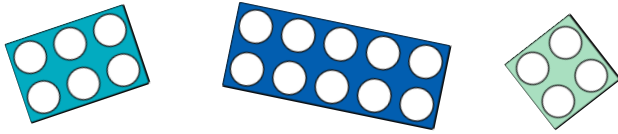


I need to make 20. I already have a 10 number frame.

Which two number frames below does Che need to make 20?

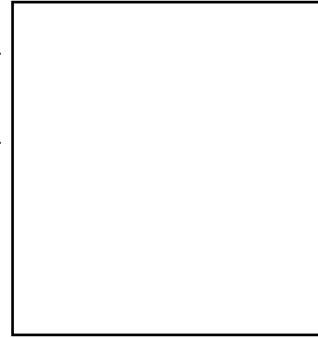


How many number bonds to 20 can you make using the number frames below? You may use the frames more than once.



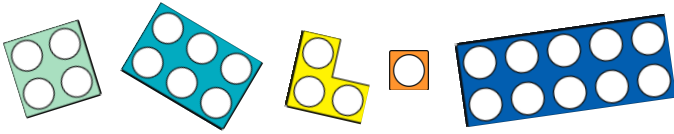
Draw number frames for  $4 + 16$ . Complete:

$$\begin{array}{r} \underline{4} + \underline{16} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} - \underline{\quad} = \underline{\quad} \\ \underline{\quad} - \underline{\quad} = \underline{\quad} \end{array}$$

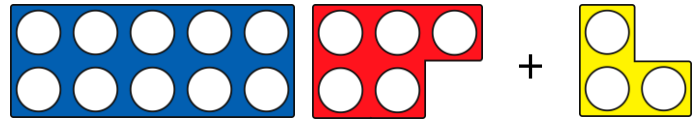


I need to make 20. I already have a 6 number frame.

Which two number frames below does Tam need to make 20?



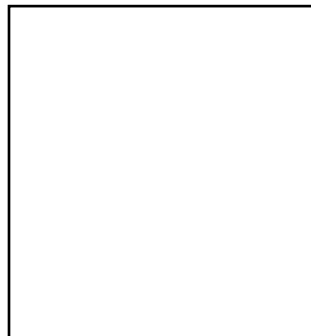
The number frames represent a number bond to 20.



Spot the mistake and explain how it can be corrected.

Draw number frames for  $12 + 8$ . Complete:

$$\begin{array}{r} \underline{12} + \underline{8} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} - \underline{\quad} = \underline{\quad} \\ \underline{\quad} - \underline{\quad} = \underline{\quad} \end{array}$$



There are double the amount of number bonds to 20 than there are number bonds to 10.

True or false?  
Prove it.

# Number frame number bonds



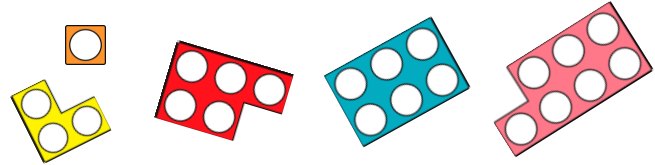
The total is 10. The second number is 4 more than the first number. Complete the number bonds below.

$$\begin{array}{r} \underline{3} + \underline{7} = \underline{10} \\ \underline{7} + \underline{3} = \underline{10} \\ \underline{10} - \underline{3} = \underline{7} \\ \underline{10} - \underline{7} = \underline{3} \end{array}$$



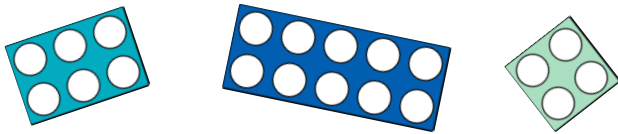
I need to make 20. I already have a 10 number frame.

Which two number frames below does Che need to make 20?



7 and 3 as  $10 + 7 + 3 = 20$ .

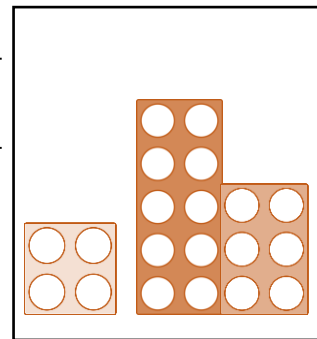
How many number bonds to 20 can you make using the number frames below? You may use the frames more than once.



$$\begin{array}{l} 10 + 10 = 20 \\ 16 + 4 = 20 \\ 4 + 16 = 20 \\ 14 + 6 = 20 \\ 6 + 14 = 20 \end{array}$$

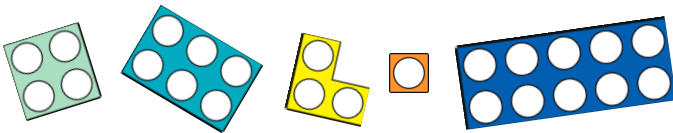
Draw number frames for  $4 + 16$ . Complete:

$$\begin{array}{r} \underline{4} + \underline{16} = \underline{20} \\ \underline{16} + \underline{4} = \underline{20} \\ \underline{20} - \underline{4} = \underline{16} \\ \underline{20} - \underline{16} = \underline{4} \end{array}$$



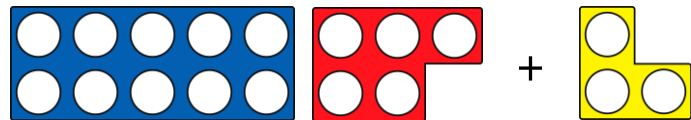
I need to make 20. I already have a 6 number frame.

Which two number frames below does Tam need to make 20?



10 and 4 as  $6 + 10 + 4 = 20$

The number frames represent a number bond to 20.

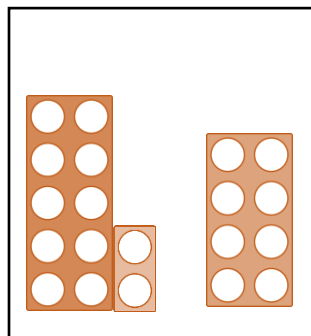


Spot the mistake and explain how it can be corrected.

The number frames show  $15 + 3 = 18$ .  
The 3-piece can be changed to a 5 or the 5-piece can be changed to a 7.

Draw number frames for  $12 + 8$ . Complete:

$$\begin{array}{r} \underline{12} + \underline{8} = \underline{20} \\ \underline{8} + \underline{12} = \underline{20} \\ \underline{20} - \underline{12} = \underline{8} \\ \underline{20} - \underline{8} = \underline{12} \end{array}$$



There are double the amount of number bonds to 20 than there are number bonds to 10.

True or false?  
Prove it.

False. There are 11 number bonds to 10.  
There are 21 number bonds to 20.